

# ABSTRACT OF THE DISCLOSURE

The AGC threshold of electric intensity level is set by the signal processor portion 107 in response to the measured result of the error rate measuring circuit 109 that measures the error rate of the received signal, and the gain control operation of the gain control circuit 106 is caused to start when the electric field intensity detected by the field intensity detector 105 reaches the threshold of electric intensity level. Accordingly, the optimum AGC threshold of electric intensity level can be set to meet the radio wave situation in which the radio receiver, i.e., the receiving situation of the received signal and also the gain control of the gain controlling means can be achieved to optimize the signal quality of the received signal in the situation of either the IM characteristic or the electric field variation characteristic, e.g., under the environment of the strong electric field IM or the environment in which the electric field is changed strongly.